

Express Mail No.: EV 913 330 376 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Cao et al.

Application No.: 10/543,033 (nat'l stage of

PCT/US04/01643, filed 01/21/04)

Filed: July 21, 2005

For: METHODS FOR IDENTIFYING COMPOUNDS

THAT MODULATE UNTRANSLATED REGION-DEPENDENT GENE EXPRESSION AND METHODS

OF USING SAME

Confirmation No.: 5365

Group Art Unit: To be assigned

Examiner: To be assigned

Attorney Docket No.: 10589-012-999

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.56 AND § 1.97

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the United States Patent and Trademark Office ("USPTO") of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby invite the Examiner's attention to references A01-A32, B01-B05 and C01-C190 listed on the attached form entitled "List of References Cited by Applicants."

Copies of references B01-B05 and C01-C190 are submitted herewith. Copies of references A01-A32 are not submitted herewith because they are U.S. patents or U.S. Patent Application Publications. Pursuant to 37 C.F.R. § 1.98 (a)(2)(i) as amended (see Fed. Reg. vol. 69, no. 182, Sept. 21, 2004), the requirement for providing a copy of each U.S. patent or U.S. patent application publication listed in an Information Disclosure Statement in a patent application, regardless of the filing date of the application, was eliminated.

Identification of the listed references is not meant to be construed as an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application.

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Pursuant to 37 C.F.R. §1.97(b), since this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is believed to be due in connection herewith. However, should the Patent Office determine otherwise, please charge the required fee to Jones Day deposit account no. 50-3013. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date:

November 3, 2006

Laura a. Cornzzi

30,742

JONES DAY

222 East 41st Street

Reg. No. 44,412

New York, New York 10017-6702

(212) 326-3939

Enclosures

Express Mail No.: EV 913 330 376 US Sheet 1 of 10 of List of References

NOV 0.3 7006

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033
APPLICANT Cao et al.	
FILING DATE July 21, 2005	ART UNIT To Be Assigned

PAGES, COLUMNS, LINES, WHERE					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
	A01	3,346,381	10/10/67	Grieg	
	A02	5,439,797	08/08/95	Tsien et al.	
	A03	5,691,145	11/25/97	Pitner et al.	
	A04	5,700,660	12/23/97	Leonard et al.	
	A05	5,776,738	07/07/98	Dell'Orco, Sr. et al.	
-	A06	5,843,770	12/01/98	Ill et al.	
	A07	5,849,520	12/15/98	Leonard et al.	
	A08	5,859,227	01/12/97	Giordano et al.	
	A09	5,908,779	06/01/99	Carmichael et al	
	A10	5,990,298	11/23/99	Carmichael et al	
	A11	6,159,709	12/12/00	Korneluk et al.	
	A12	6,171,821	01/09/01	Korneluk et al.	
	A13	6,214,563	04/10/01	Negulescu et al.	
	A14	6,221,587	04/27/01	Ecker et al.	
	A15	6,221,612	04/24/01	Knapp et al.	
	A16	6,232,070	05/05/01	Shuman	
	A17	6,265,167	07/24/01	Carmichael et al.	
	A18	6,265,546	07/24/01	Cohen et al.	
	A19	6,303,295	10/16/01	Taylor et al.	
	A20	6,331,170	12/18/01	Ordway	
	A21	6,331,396	12/18/01	Silverman et al.	
	A22	6,399,373	06/04/02	Bougueleret	
	A23	6,448,007	09/10/02	Giordano et al.	
	A24	6,455,280	09/24/02	Edwards et al.	
	A25	6,465,176	10/15/02	Giordano et al.	
	A26	6,476,208	11/05/02	Cohen et al.	
	A27	6,617,493	09/09/03	Fader	
	A28	6,627,797	09/30/03	Duvick et al.	
	A29	6,638,522	10/28/03	Mulye	

EXAMIN	ΙE	R
--------	----	---

DATE CONSIDERED

Express Mail No.: EV 913 330 376 US Sheet 2 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

				ATENT DOCUMENTS	
*EXAMINER INITIAL	<u> </u>	DOCUMENT NUMBER	DATE	NAME	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
	A30	6,645,747	11/11/03	Hallahan et al.	
	A31	2003/0135870	07/17/03	Cheikh et al.	
	A32	2004/0231007	11/18/04	Kastelic et al.	

FOREIGN PATENT DOCUMENTS					
	FOREIGN PATENT DOCUMENT COUNTRY CODE, NUMBER, KIND CODE (IF KNOWN)	DATE	NAME	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR	Т
B01	WO 93/20212	10/14/99	Government of the United States of America, as represented by the Secretary, Department of Health and Human Services		
B02	WO 95/33831	12/14/95	Creative Biomolecules Inc.		
B03	WO 00/39314	07/06/00	Novation Pharmaceticals, Inc.		
B04	WO 02/077609	10/03/02	Message Pharmaceuticals, Inc.		
B05	EP 1 176 196	01/30/02	Message Pharmaceuticals, Inc.		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	Т	
	C01	ADAMS et al., 1991, "Fluorescence ratio imaging of cyclic AMP in single cells." Nature 349:694-697		
	C02	AFOUNDA et al., 1999, "Localized XId3 mRNA activation in Xenopus embryos by cytoplasmic polyadenylation." Mech Dev 88(1):15-31		
	C03	AHARON & SCHNEIDER, 1993, "Selective destabilization of short-lived mRNAs with the granulocyte-macrophage colony-stimulating factor AU-rich 3' noncoding region is mediated by a cotranslational mechanism" Mol. Cell. Biol. 13: 1971		
	C04	AMARA et al., 1999, "TGF-beta(1), regulation of alzheimer amyloid precursor protein mRNA expression in a normal human astrocyte cell line: mRNA stabilization." Brain Res. Mol. Brain Res. 71(1):42-49		
	C05	BANHOLZER et al., 1997, "Rapamycin destabilizes interleukin-3 mRNA in autocrine tumor cells by a mechanism requiring an intact 3' untranslated region." Molecular and Cellular Biology 17: 3254-3260		
	C06	BARDONI & MANDEL, 2002, "Advances in understanding of fragile X pathogenesis and FMRP function, and in identification of X linked mental retardation genes." Curr. Opin. Genet. Dev. 12(3):284-293		
	C07	BARKOFF et al., 2000, "Translational control of cyclin B1 mRNA during meiotic maturation: coordinated repression and cytoplasmic polyadenylation" Dev Biol. 220(1):97-109		
	C08	BASHAW & BAKER, 1995, "The msl-2 dosage compensation gene of Drosophila encodes a putative DNA-binding protein whose expression is sex specifically regulated by Sex-lethal." Develop. 121(10):3245-3258.		

EXAMINER	DATE CONSIDERED
*EVANAINED: Initial if reference considered, whether or not citation is in conformation	once with MPFP 609: Draw line through citation if not in conformance and not

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line considered. Include copy of this form with next communication to applicant.

Express Mail No.: EV 913 330 376 US Sheet 3 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	Т
initiais	C09	BEELMAN & PARKER, 1994, "Differential effects of translational inhibition in cis and in trans on the decay of the unstable yeast MFA2 mRNA." J. Biol. Chem. 269:9687-9692	
	C10	BERGSTEN & GAVIS, 1999, "Role for mRNA localization in translational activation but not spatial restriction of nanos RNA." Develop, 126(4):659-669	
	C11	BOCK et al., 1992, "Selection of single-stranded DNA molecules that bind and inhibit human thrombin." Nature 355:564-566	
	C12	BRENNAB & SEITZ, 2001, "HuR and mRNA stability." Cell. Mol. Life. Sci. 58:266	
	C13	CAO, "Develop New cancer drugs that control VEGF expression: VEGF is an endothelial cell specific mitogen." Grant application	
	C14	CAO, "Targeting VEGF 5'-and 3'-UTRs for tumor therapy: generation of stable cell lines for High Throughput screening."	
	C15	CARBALLO et al., 1998, "Feedback inhibition of macrophage tumor necrosis factor-alpha production by	
	C16	CASTAGNETTI et al., 2000, "Control of oskar mRNA translation by Bruno in a novel cell-free system from Drosophila ovaries." Develop, 127(5):1063-1068	
	C17	CHARLESWORTH et al., 2000, "The temporal control of Weel mRNA translation during Xenopus oocyte maturation is regulated by cytoplasmic polyadenylation elements within the 3'-untranslated region." Dev. Biol. 227(2): 706-719	
	C18	CHEN et al., 1994, "Interplay of two functionally and structurally distinct domains of the c-fos AU-rich element specifies its mRNA-destabilizing function." Mol. Cell. Biol. 14:416-426	
	C19	CHEN et al., 1995, "AU-rich elements: characterization and importance in mRNA degradation" Trends	
	C20	CHEN et al., 1995, "mRNA decay mediated by two distinct AU-rich elements from c-fos and granulocyte-macrophage colony-stimulating factor transcripts: different deadenylation kinetics and uncoupling from translation." Mol. Cell. Biol. 15:5777	
	C21	CHEN et al., 2001, "AU Binding Proteins Recruit the Exosome to Degrade ARE-Containing mRNAs" Cell 107: 451	
	C22	CLAFFEY et al., 1998, "Identification of a human VPF/VEGF 3' untranslated region mediating hypoxia-induced mRNA stability." Mol. Biol. of Cell. 9:469-481	
	C23	CLARK et al., 2000, "Synthesis of the posterior determinant Nanos is spatially restricted by a novel cotranslational regulatory mechanism." Curr. Biol. 10(20):1311-1314	
	C24	CLARK et al., 2002, "A common translational control mechanism functions in axial patterning and neuroendocrine signaling in Drosophila." Develop. 129(14): 3325-3334	
	C25	COHEN et al., 1996, "CN1-1493 inhibits monocyte/macrophage tumor necrosis factor by suppression of translation efficiency." Proc. Natl. Acad. Sci. USA 93:3967-3971	
	C26	CROSIO et al., 2000, "La protein has a positive effect on the translation of TOP mRNAs in vivo." Nucl. Acids. Res. 28(15):2927-34	
	C27	CRUCS et al., 2000, "Overlapping but distinct RNA elements control repression and activation of nanos translation." Mol. Cell. 5(3):457-467	
	C28	CURATOLA et al., 1995, "Rapid degradation of AU-rich element (ARE) mRNAs is activated by ribosome transit and blocked by secondary structure at any position 5' to the ARE." Mol. Cell. Biol. 15:6331	
	C29	DAHANUKAR & WHARTON, 1996, "The Nanos gradient in Drosophila embryos is generated by translational regulation." Genes Dev 20:2610-2620	

EXAMINER	DATE CONSIDERED
	<u> </u>

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Express Mail No.: EV 913 330 376 US Sheet 4 of 10 of List of References

ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
APPLICANT Cao et al.		
FILING DATE July 21, 2005	ART UNIT To Be Assigned	
	10589-012-999 APPLICANT Cao et al. FILING DATE	

Examiner		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	$ _{\mathbf{T}}$
Initials	C30	DIAS et al., 1994, "Chemical Probe for Glycosidic Conformation in Telomeric DNAs" J. Am. Chem. Soc. 116:4479-4480	1
,	C31	DIENER & MOORE, 1998, "Solution Structure of a Substrate for the Archael Pre-tRNA Splicing Endonucleases: The Bulge-Helix-Bulge Motif." Mol. Cell. 1:883-894	
	C32	DOMINSKI & MARZLUFF, 1999, "Formation of the 3' end of histone mRNA." Gene 239(1):1-14	
	C33	FRUSCOLONI et al., 2001, "Cleavage of non-tRNA substrates by eukaryal tRNA splicing endonucleases." EMBO Rep 2(3):217-221	
	C34	GAN et al., 1998, "Functional characterization of the internal ribosome entry site of eIF4G mRNA" J. Biol. Chem. 273:5006-5012	
	C35	GAVIS et al., 1996, "A conserved 90 nucleotide element mediates translational repression of nanos RNA. Development, 1996 Sep;122(9):2791-800. "Develop, 122(9):2791-2800	Ī
	C36	GEBAUER et al., 1998, "The Drosophila splicing regulator sex-lethal directly inhibits translation of male-specific-lethal 2 mRNA" RNA 4(2):142-150	Ü
	C37	GENBANK Accession No: NM_0017 ev 25	
	C38	GENBANK Accession No: NM_0029 ev 25	
	C39	GENBANK Accession No: NM_006536	
	C40	GENBANK Accession No: AF022375	
	C41	GENBANK Accession No: AJ131730	
	C42	GENBANK Accession No: M11567	
	C43	GENBANK Accession No: M14745	
	C44	GENBANK Accession No: M14758	
	C45	GENBANK Accession No: M33680	
	C46	GENBANK Accession No: M54968	
	C47	GENBANK Accession No: M90100	
	C48	GENBANK Accession No: NM_ 0002 30	
	C49	GENBANK Accession No: NM_0017 28	
	C50	GENBANK Accession No: NM_0027 74	
	C51	GENBANK Accession No: NM_0052 51	┙
	C52	GENBANK Accession No: NM_0807 06	
	C53	GENBANK Accession No: NM_0001 62	
	C54	GENBANK Accession No: NM_0002 08	
	C55	GENBANK Accession No: NM_0002 47	
	C56	GENBANK Accession No: NM_0003 21	

	D. TH. CONCIDENCE
EXAMINER	DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NYJD: 1614683.2

Express Mail No.: EV 913 330 376 US Sheet 5 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

Examiner		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	Т
Initials	C57	GENBANK Accession No: NM_0004 18	
	C58	GENBANK Accession No: NM_0005 27	
	C59	GENBANK Accession No: NM_0005 72	
	C60	GENBANK Accession No: NM_0005 89	
	C61	GENBANK Accession No: NM_0006 65	
	C62	GENBANK Accession No: NM_000600	
	C63	GENBANK Accession No: NM_0007 58	
	C64	GENBANK Accession No: NM_0007 84	
	C65	GENBANK Accession No: NM_0007 91	
	C66	GENBANK Accession No: NM_0007 99	
	C67	GENBANK Accession No: NM_0008 99	
	C68	GENBANK Accession No: NM_0008 ev 75	
	C69	GENBANK Accession No: NM_0009 48	
	C70	GENBANK Accession No: NM_0011 45	
	C71	GENBANK Accession No: NM_001168	
	C72	GENBANK Accession No: NM_0012 40	
	C73	GENBANK Accession No: NM_0015 65	
	C74	GENBANK Accession No: NM_0015 67	- 11
	C75	GENBANK Accession No: NM_001917	
- <u> </u>	C76	GENBANK Accession No: NM_0020 06	
	C77	GENBANK Accession No: NM_002006	
-	C78	GENBANK Accession No: NM_002087	
	C79	GENBANK Accession No: NM_0021 11	
	C80	GENBANK Accession No: NM_0021 51	
	C81	GENBANK Accession No: NM_002231	
·	C82	GENBANK Accession No: NM_002392	
	C83	GENBANK Accession No: NM_0026 ev 32	
<u>-</u>	C84	GENBANK Accession No: NM_0029 63	
	C85	GENBANK Accession No: NM_0029 86	

EXAMINER	DATE CONSIDERED
	<u></u>

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Express Mail No.: EV 913 330 376 US Sheet 6 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	filing date July 21, 2005	ART UNIT To Be Assigned	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	Т
Ilittais	C86	GENBANK Accession No: NM_0029 ev 64	
	C87	GENBANK Accession No: NM_0032 55	
	C88	GENBANK Accession No: NM_0032 56	
	C89	GENBANK Accession No: NM_0033 55	
	C90	GENBANK Accession No: NM_0036 42	
	C91	GENBANK Accession No: NM_0038 ev 83	
	C92	GENBANK Accession No: NM_004364	
	C93	GENBANK Accession No: NM_004395	
	C94	GENBANK Accession No: NM_0047 95	
	C95	GENBANK Accession No: NM_0047 97	
	C96	GENBANK Accession No: NM_0052 52	
	C97	GENBANK Accession No: NM_0054 ev 17	
	C98	GENBANK Accession No: NM_0059 31	
	C99	GENBANK Accession No: NM_007310	
	. C100	GENBANK Accession No: NM_000794	
	C101	GENBANK Accession No: NM_000134	
	C102	GENBANK Accession No: NM_0187 ev 27	
	C103	GENBANK Accession No: NM_0204 15	
	C104	GENBANK Accession No: NM_0326 11	
	C105	GENBANK Accession No: NM_053056	
	C106	GENBANK Accession No: NM_0784 67	
	C107	GENBANK Accession No: NM_0807 04	
	C108	GENBANK Accession No: NM_0807 05	
	C109	GENBANK Accession No: NM_080881	
	C110	GENBANK Accession No: NM_138712	
	C111	GENBANK Accession No: NM_1389 92	
	C112	GENERAL 1 N. A. 1002 - 17	
	C113	GENBANK Accession No: S48568	
 	C114	GENBANK Accession No: U22431	

EXAMINER	DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NYJD: 1614683.2

Express Mail No.: EV 913 330 376 US Sheet 7 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	Т
	C115	GENBANK Accession No: U25676	
	C116	GENBANK Accession No: X16302	ı
	C117	GENBANK Accession No: XM_589987	
	C118	GENBANK Accession No: XM_001831	
	C119	GENBANK Accession No: XM_003061	
	C120	GENBANK Accession No: XM_003751	_
	C121	GENBANK Accession No: XM_015547	_
	C122	GENBANK Accession No: X01394	
	C123	GENBANK Accession No: X00588.1	
	C124	GOODWIN et al., 1993, "Translational regulation of tra-2 by its 3' untranslated region controls sexual identity in C. elegans." Cell 75:329-339	
	C125	GOODWIN et al., 1997, "A genetic pathway for regulation of tra-2 translation" Develop. 124:749-758	Ī
	C126	Biophys. Res. Commun. 297(5):1085-1088	
	C127		
	C128	are conserved in the tra-2 homologue of C. remanei, a male/female sister species" Genetics 155(1):105-116	
	C129	Biochimi 78(7):590-596	
•	C130	Evol., 2(1):13-34	
	C131	patterns in reference to the isoacceptor contents." Cold Spring Harbor Symp. Quant. Biol. 47:1087-1097	_
	C132	JAN et al., 1997, "Conservation of the C.elegans tra-2 3'UTR translational control." EMBO J 16(20):6301-6313	ĺ.
	C133	elegans." EMBO J. 18:258-269	
	C134	protein mRNA in rats." Arch Biochem Biophys 402(1):77-83	
	C135	AU-rich region in the 3'UTR by a radicicol analogue." Cytokine 8: 751-761	
_	C136	9:1161	
	C137	d(GGTTGGTGTGTGG)." J. Mol. Biol. 256:417-422	
	C138	foreign genes from the murine cytomegalovirus promoter." J. Biotechnol. 93(2):183-187	
	C139	KIMBLE, 1988, "fog-2, a germ-line-specific sex determination gene required for hermaphrodite spermatogenesis in Caenorhabditis elegans." Genetics, 119:43-61	

|--|

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Express Mail No.: EV 913 330 376 US Sheet 8 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

Examiner	1		
nitials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	T
	C140	KLEMAN-LEYER et al., 1997, "Properties of H. volcanii tRNA Intron Endonuclease Reveal a Relationship between the Archaeal and Eucaryal tRNA Intron Processing Systems." Cell., 89:839-847	<u> </u>
	C141	KOELLER et al., 1991, "Translation and the stability of mRNAs encoding the transferrin receptor and c-fos." Proc. Natl. Acad. Sci. 88:7778	
	C142	LE & MAIZEL, 1989, "A method for assessing the statistical significance of RNA folding" J. Theor Biol. 138:495-510	
	C143	LI & ABELSON, 2000, "Crystal Structure of a Dimeric Archaeal Splicing Endonuclease." J. Mol. Biol. 302:639-648.	
	C144	LI et al., 1998, "Crystal structure and evolution of a transfer RNA splicing enzyme" Science 280(5361):279-284	
	C145	LYKKE-ANDERSEN, J. & GARRETT, R.A., 1997, "RNA-protein interactions of an archaeal homotetrameric splicing endoribonuclease with an exceptional evolutionary history." EMBO J 16(20):6290-6300.	
	C146	MACAYA et al., 1993, "Thrombin-binding DNA aptamer forms a unimolecular quadruplex structure in solution." Proc. Natl. Acad. Sci. 90:3745-3749	
	C147	MUHLRAD et al., 1995, "Turnover mechanisms of the stable yeast PGK1 mRNA." Mol. Cell. Biol. 15(4):2145-2156	
	C148	MUKHERJEE et al., 2002, "The mammalian exosome mediates the efficient degradation of mRNAs that contain	
		NANBRU et al., 1995, "Alternative translation of the proto-oncogene c-myc by an internal ribosome entry site." J. Biol. Chem. 272:32061-32066	
	C150	OH et al., 1992, "Homeotic gene Antennapedia mRNA contains 5'-noncoding sequences that confer translational initiation by internal ribosome binding." Genes Dev 6:1643-1653	
	C151	OSTARECK-LEDERER et al., 2002, "c-Src-mediated phosphorylation of hnRNP K drives translational activation of specifically silenced mRNAs" Mol. Cell. Biol. 22(13):4535-4543	
	C152	PAYNTON & BACHVAROVA, 1994, "Polyadenylation and deadenylation of maternal mRNAs during oocyte growth and maturation in the mouse" Mol. Reprod. Dev 37(2): 172-180	
	C153	Promone Del to La 1992 WE to The Anti-unity Program Determinance Cullen Ed. Outland University Program	
	C154	PROPERTY OF A CONTENED C. 1000 W. a. a. Linking of Content of Content of the PNA directed by a content of	
	C155	The control of the co	
	C156	ODL 6 DVI C 1000 "Give and its lebeling of DNA with fluorembergs and other structural probes" Methods 18	
	C157	DATA CODAL AND A MALTED 2000 WO. Il C. A. Line Line of any loid managementain mDMA is	
	C158	RAUGHT et al. 2000, "Translational Control of Gene Expression." Sonenberg, Hershey and Mathews, eds. Cold Spring Harbor Laboratory Press	
	C159	DEPTH 443 D.L. 1 2000 WG . C. C. C. L	
	C160	I writing a specific transfer of the property of the Potential in Veget 4DNA Collising "	
	C161	DOGERS 4 1 2002 "4 1 2002 "4 1 2002 " 1	

EXAMINER DATE CONSIDERED	EXAMINER	DATE CONSIDERED
--------------------------	----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Express Mail No.: EV 913 330 376 US Sheet 9 of 10 of List of References

	ATTY. DOCKET NO. APPLICATION NO. 10589-012-999 10/543,033		
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

Examiner			1
Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	T
	C162	SARKAR & HOPPER., 1998, "tRNA Nuclear Export in Saccharomyces cerevisiae. In Situ Hybridization	
	0.02	Analysis." Mol. Biol. of the Cell 9:3041-3055	╙
	C163	SAVANT-BHONSALE et al., 1992, "Evidence for instability of mRNAs containing AUUUA motifs mediated	1
		through translation-dependent assembly of a > 20S degradation complex" Genes Dev. 6:1927	⊢
	C164	SAXENA et al., 1992, "Angiogenin is a Cytotoxic, tRNA-specific Ribonuclease in the RNase A Superfamily."	
		J. Biol. Chem. 267(30):21982-21986	\vdash
	C165	SCHLATTER & FUSSENEGGER, 2003, "Novel CNBP- and La-based translation control systems for mammalian	1
		cells." Biotechnol Bioeng. 81(1):1-12	⊢
	C166	SCHULTZE et al., 1994, "Three-dimensional solution structure of the thrombin-binding DNA aptamer	l
	_	d(GGTTGGTGTGGT)." J. Mol. Biol. 235:1532-1547	╁╌
	C167	STEBBINS-BOAZ et al., 1996, "CPEB controls the cytoplasmic polyadenylation of cyclin, Cdk2 and c-mos mRNAs	
		and is necessary for oocyte maturation in Xenopus." EMBO J. 15(10):2582-2592	+
	C168	STEIN et al., 1998, "Translation of vascular endothelial growth factor mRNA by internal ribosome entry:	ĺ
		implications for translation under hypoxia" Mol. Cell. Biol. 18:3112-3119 STONELEY, 1998, "C-Myc 5' untranslated region contains an internal ribosome entry segment" Oncogene 16:423-	╁
	C169		
		TAY et al., 2000, , "The control of cyclin B1 mRNA translation during mouse oocyte maturation." Dev. Biol.	╁
	C170		ĺ
		221(1):1-9 THIELE et al., 1999, "Expression of leukocyte-type 12-lipoxygenase and reticulocyte-type 15-lipoxygenase in	1
	C171	rabbits" Adv Exp Med Biol. 447:45-61	İ
	-	my of ANY INDICE & MALDODN 1007 "A 20 minlostide (A + II) rich element of hete?-edrenergic recentor	十
	C172	(beta2AR) mRNA mediates binding to beta2AR-binding protein and is obligate for agonist-induced destabilization of	
		receptor mRNA." J. Biol. Chem. 272:11471	
	C173	my coat page 1 1 2000 WD 11 dead-out-time and Daly (A) dependent translational repression mediated by the	
	C1/3	Caenorhabditis elegans tra-2 3' untranslated region in Xenopus embryos." Mol. Cell. Biol. 20(6):2129-2137	L
	C174	Temperature 10 1000 (FP) 11 11 11 11 11 11 11 11 11 11 11 11 11	Τ
	10174	proteins " RNA 5:1071-1082	\perp
	C175	TROTTA et al., 1997, "The yeast tRNA splicing endonuclease: a tetrameric enzyme with two active site	1
	10173	subunits homologous to the archaeal tRNA endonucleases." Cell 89:849-858	L
	C176	mp orms 40 P - 1 - 2 P - 1 - 1 P - 1 - 1 P - 1 - 1 P - 1	
		The company ages will be a state of the state of the table of the table of the state of the stat	†
	C177	California Institute of Technology, pp.1-147	
		Try Grant 1 1005 (41) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ť
	C178	of ribosomes." Mol. Cell. Biol. 15:35-44	
	0170	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T
	C179	EMBO Reports 2:893	
	C100	Troy + DEVICE + 1 2000 "Parties Dut not Crouth Pleaked by Conditional Deletion of 40S Ribosomal	Τ
	C180	Protein S6 " Science 288:2045-2047	
	C101	TAYANG A L. 1002 WA DNIA antenner which hinds to and inhibits thrombin exhibits a new structural motif for	T
	C181	DNA." Biochem. 32(8):1899-1904	\perp
		WELLS et al., 1998, "Circularization of mRNA by eukaryotic translation initiation factors." Mol. Cell. 2:135-140	Т

EXAMINER	DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NYJD: 1614683.2

Express Mail No.: EV 913 330 376 US Sheet 10 of 10 of List of References

	ATTY. DOCKET NO. 10589-012-999	APPLICATION NO. 10/543,033	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Cao et al.		
	FILING DATE July 21, 2005	ART UNIT To Be Assigned	

Examiner Initials		(Include name of the author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)	1	
illitiais	C183	WESTMARK & MALTER, 2001, "Extracellular-regulated kinase controls beta-amyloid precursor protein mRNA decay" Brain Res Mol. Brain. Res 90(2):193-201		
	C184	WILKUND et al., 2002, "Inhibition of translation by UAUUUAU and UAUUUUUAU motifs of the AU-rich RNA instability element in the HPV-1 late 3' untranslated region." J. Biol. Chem. 277:40462		
	C185	WORTHINGTON et al., 2002, "RNA binding properties of the AU-rich element-binding recombinant Nup475/TIS11/tristetraprolin protein." J. Biol. Chem. 277: 48558-48564		
	C186	translation initiation" Mol. Cell. Biol. 17:1714-1721		
	C187	ZALDI & MALTER, 1995, "Nucleolin and heterogeneous nuclear ribonucleoprotein C proteins specifically interact with the 3'-untranslated region of amyloid protein precursor mRNA." J. Biol. Chem. 271(29):17292-17298		
	C188	ZHANG et al., 1997, "Gene Expression Profiles in Normal and Cancer Cells." Science 276:1268-1272		
	C189	ZHU et al., 2001, "Binding of the La autoantigen to the 5' untranslated region of a chimeric human translation elongation factor 1A reporter mRNA inhibits translation in vitro." Biochim. Biophys Acta 1521(1-3):19-29		
	C190	KEMENY et al., 1998, "The tetravalent guanylhydrazone CNI-1493 blocks the toxic effects of interleukin-2 without diminishing antitumor efficacy." Proc. Natl. Acad. Sci. USA 95: 4561-4566		

EXAMINER	DATE CONSIDERED